

Appendix G

Operational
Phase Water
Quality
Monitoring
Results

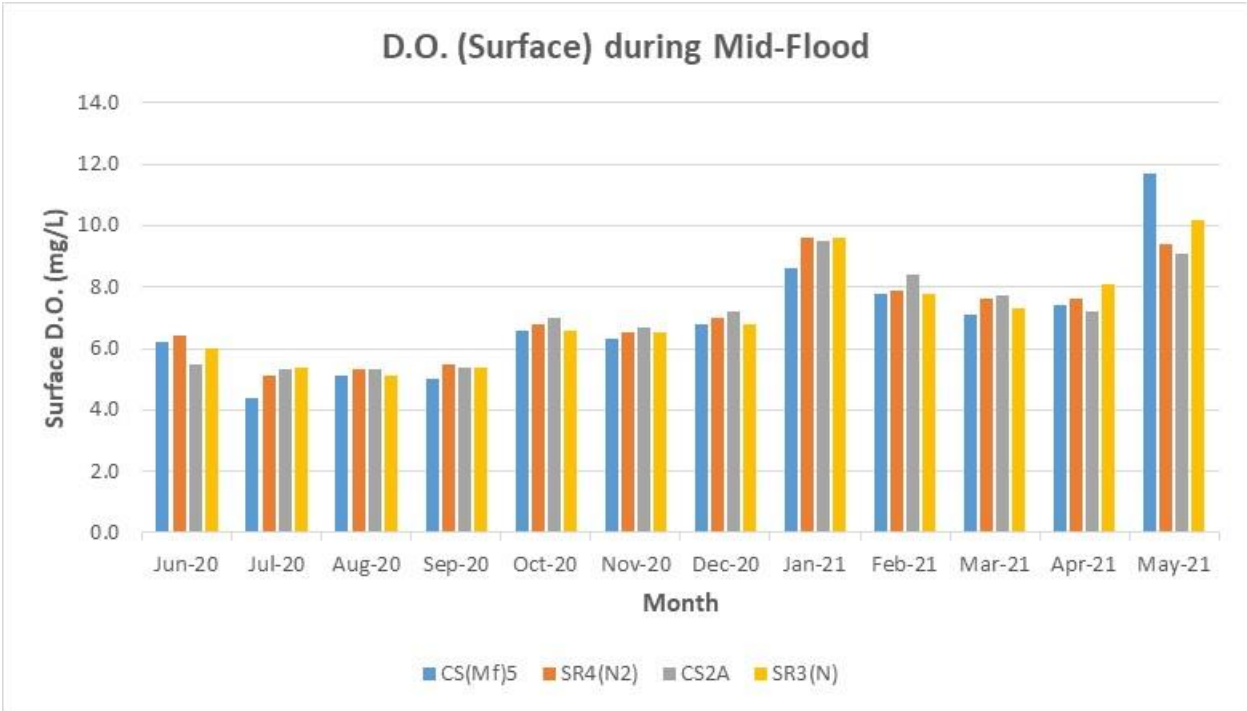
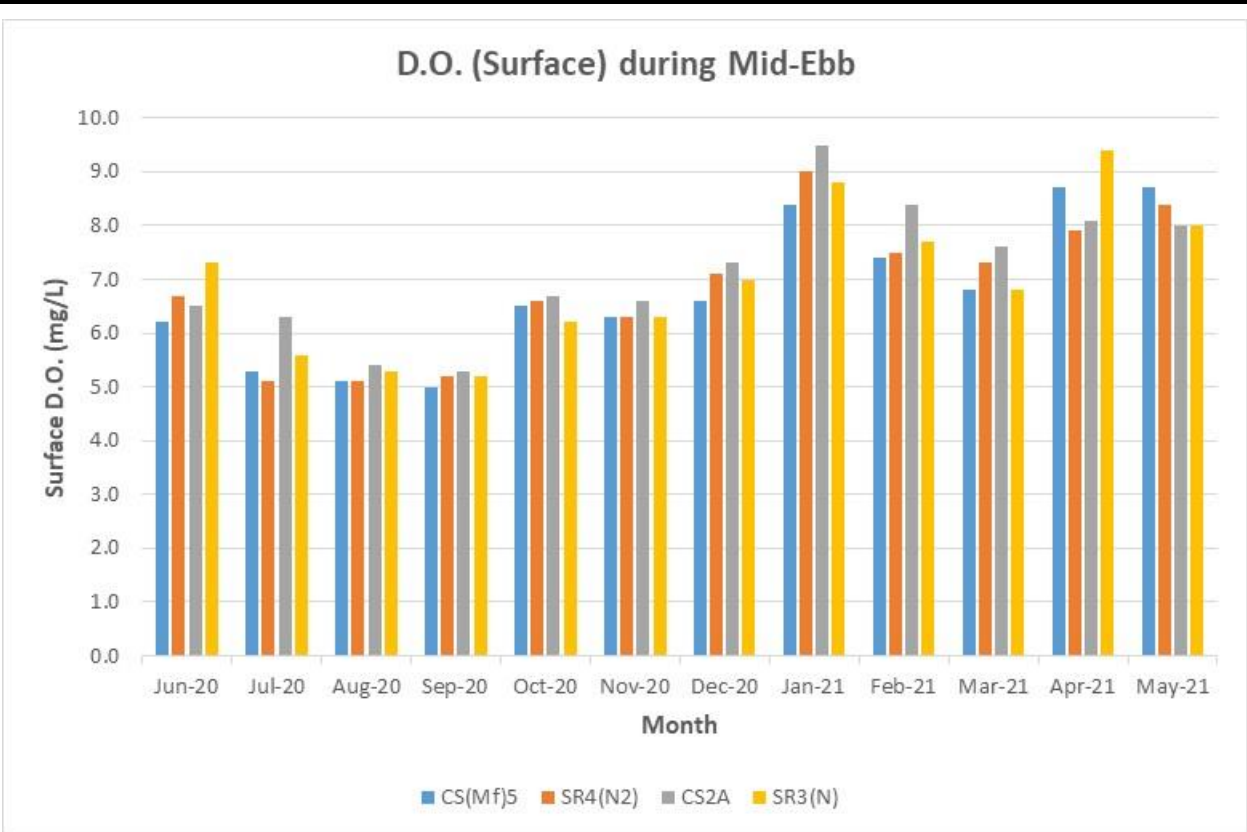


Figure G1 Operational Phase Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 June 2020 and 31 May 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_May 2021_graphs_Rev a.xls



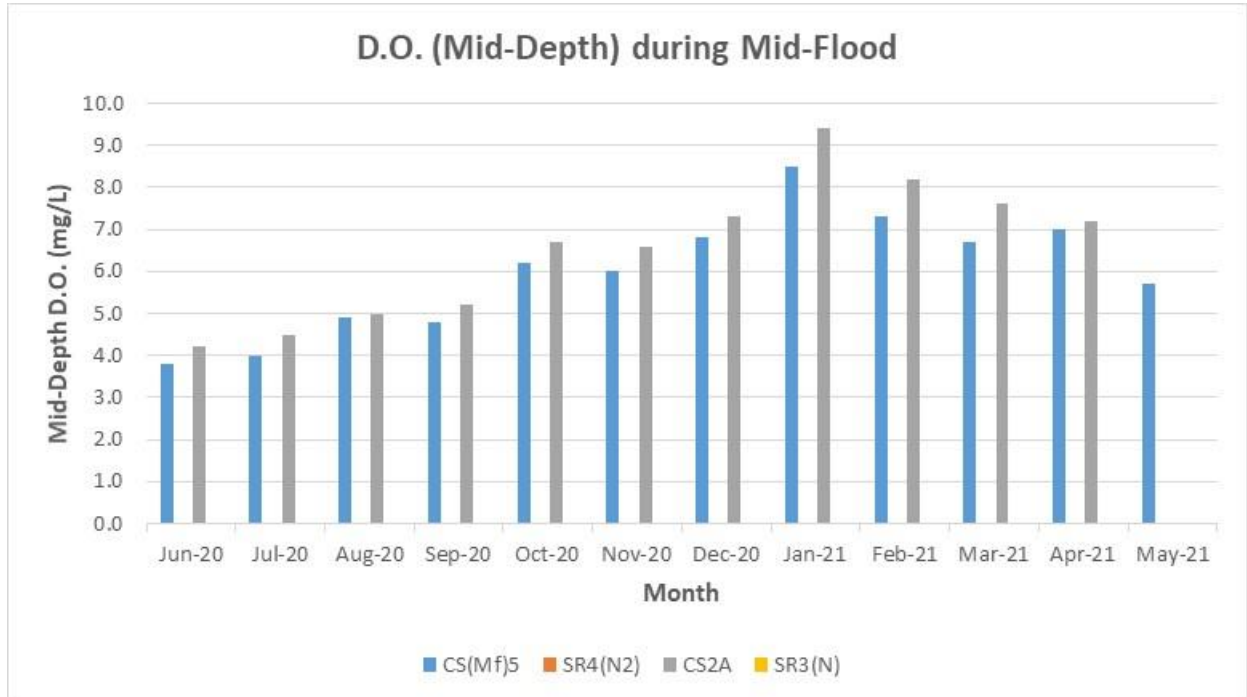
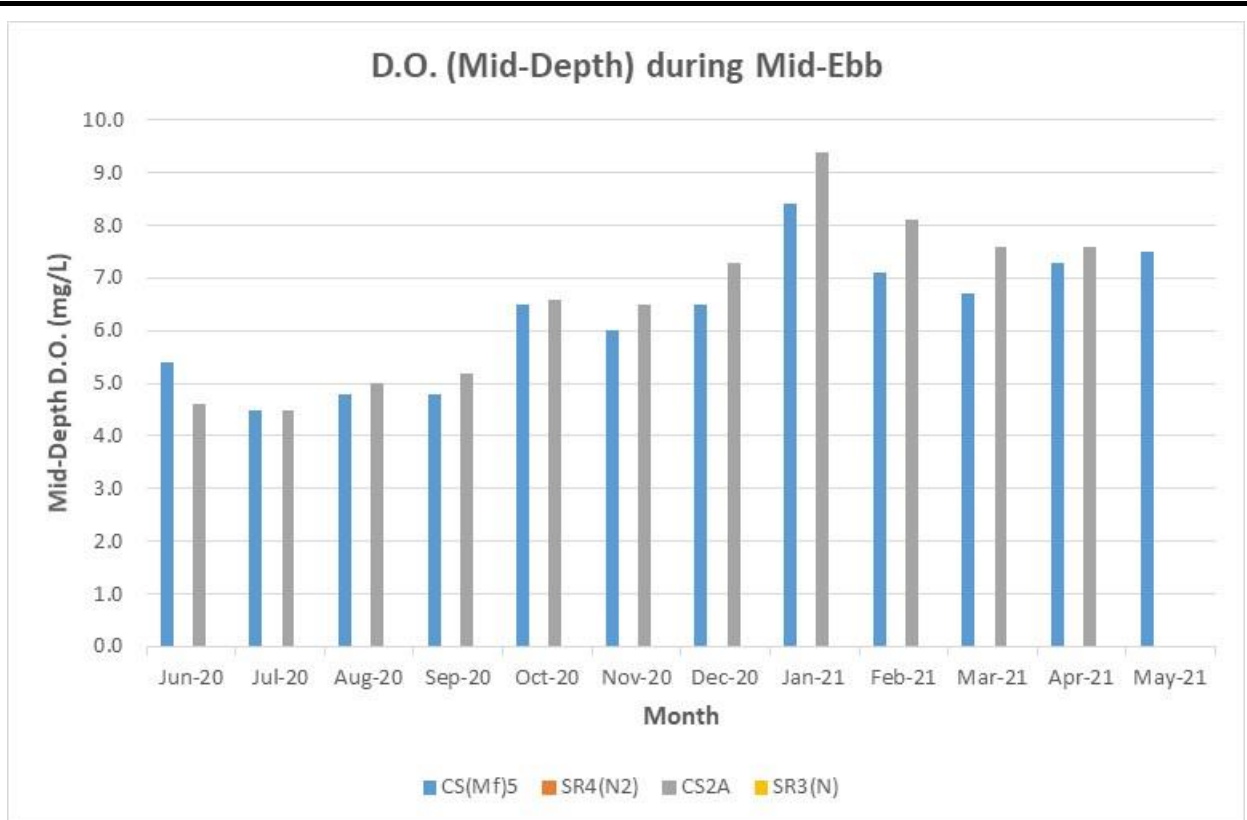


Figure G2 Operational Phase Monitoring - Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 June 2020 and 31 May 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_May 2021_graphs_Rev a.xls



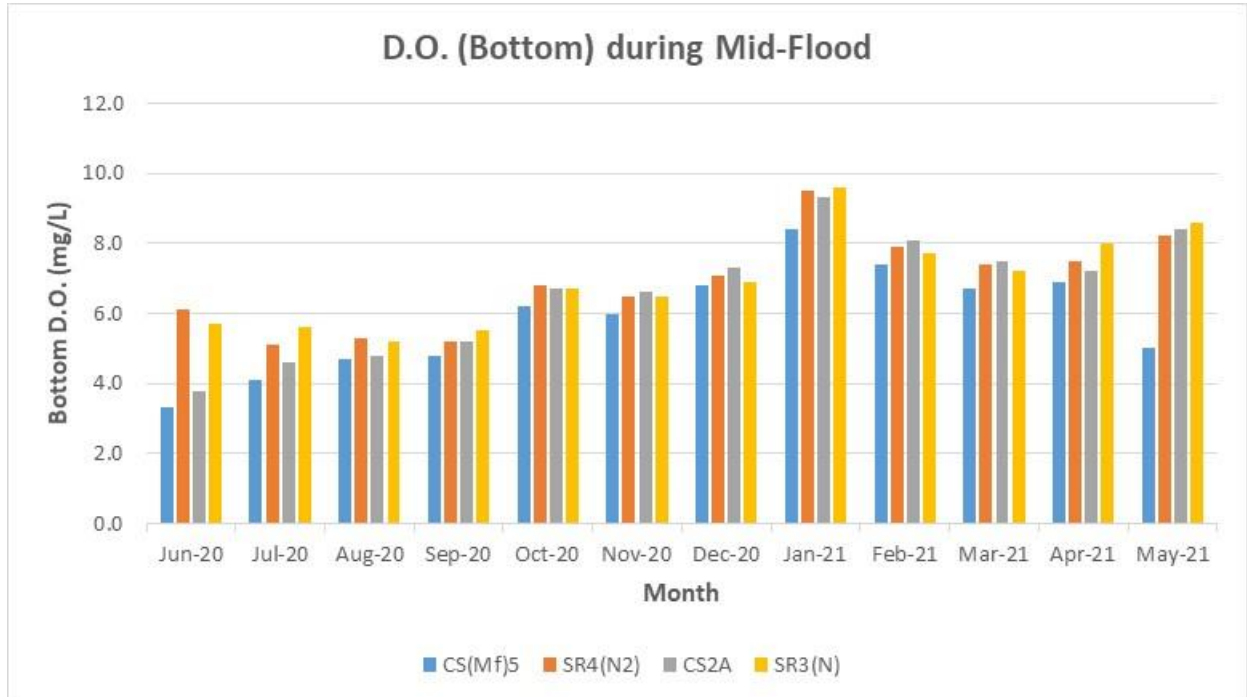
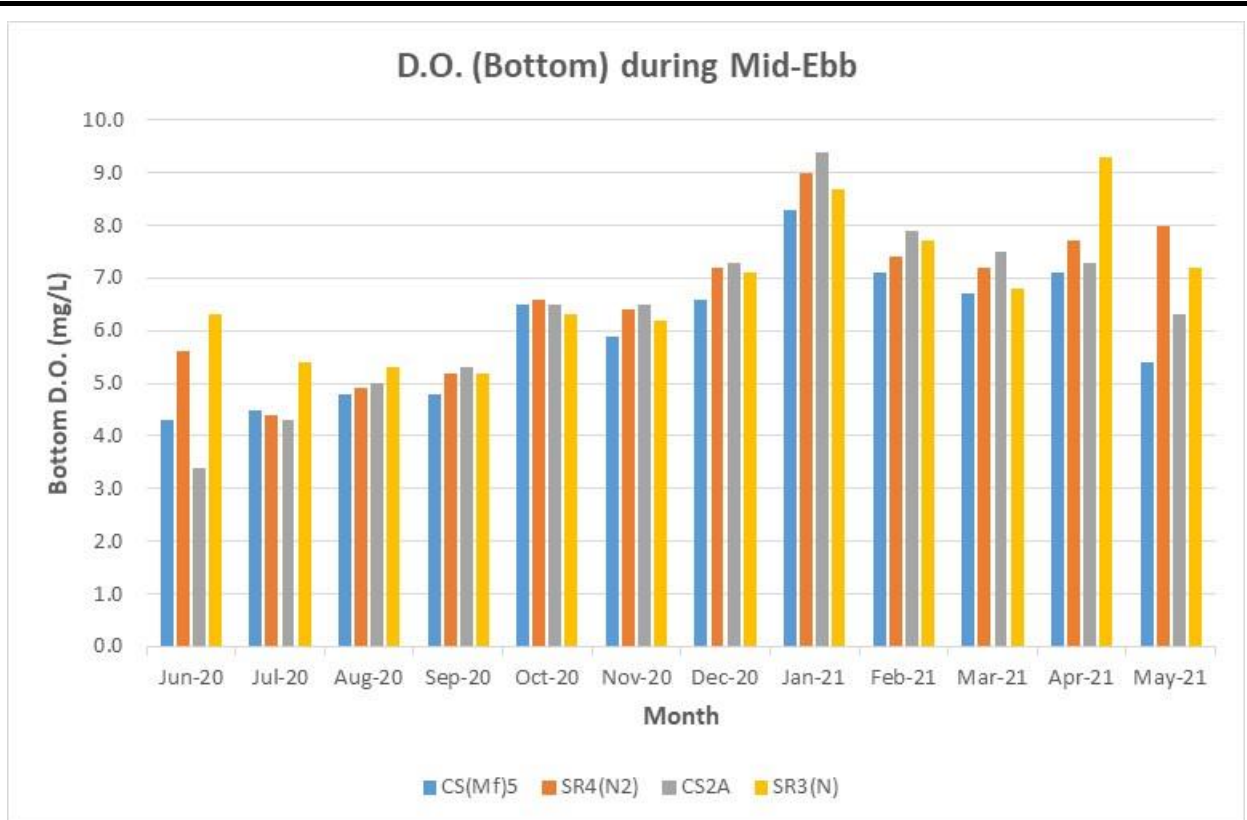


Figure G3 Operational Phase Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters between 1 June 2020 and 31 May 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_May 2021_graphs_Rev a.xls



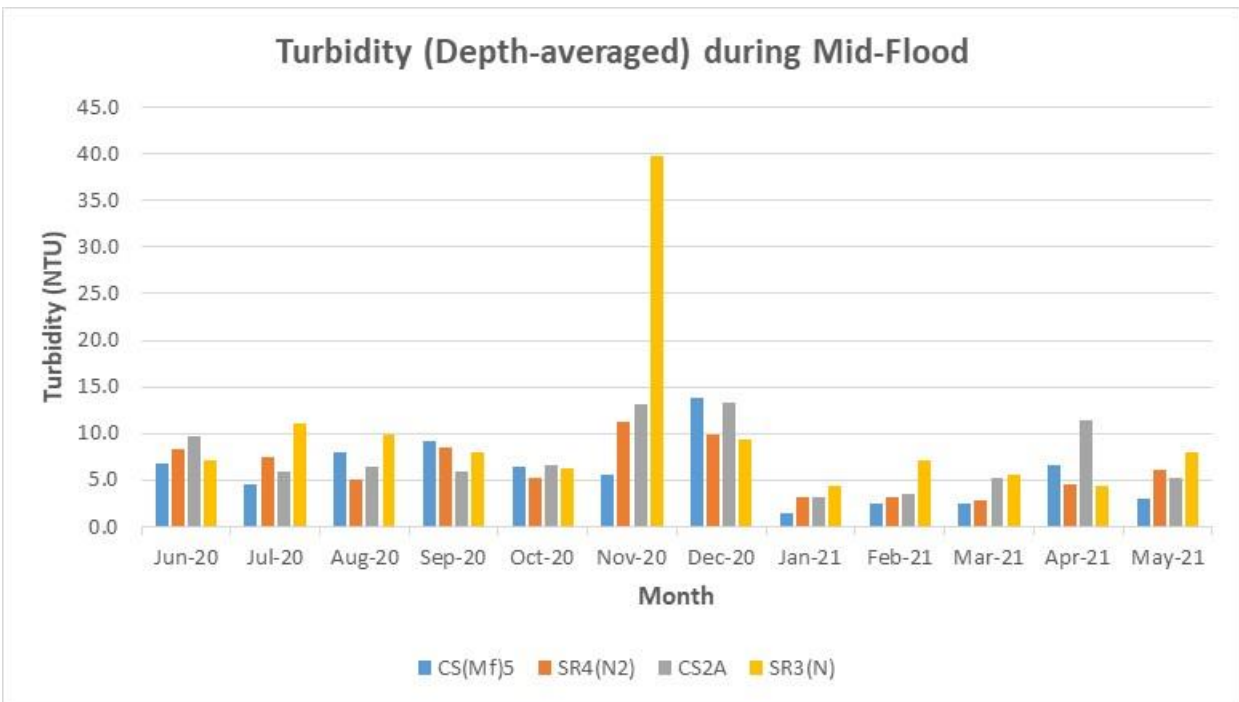
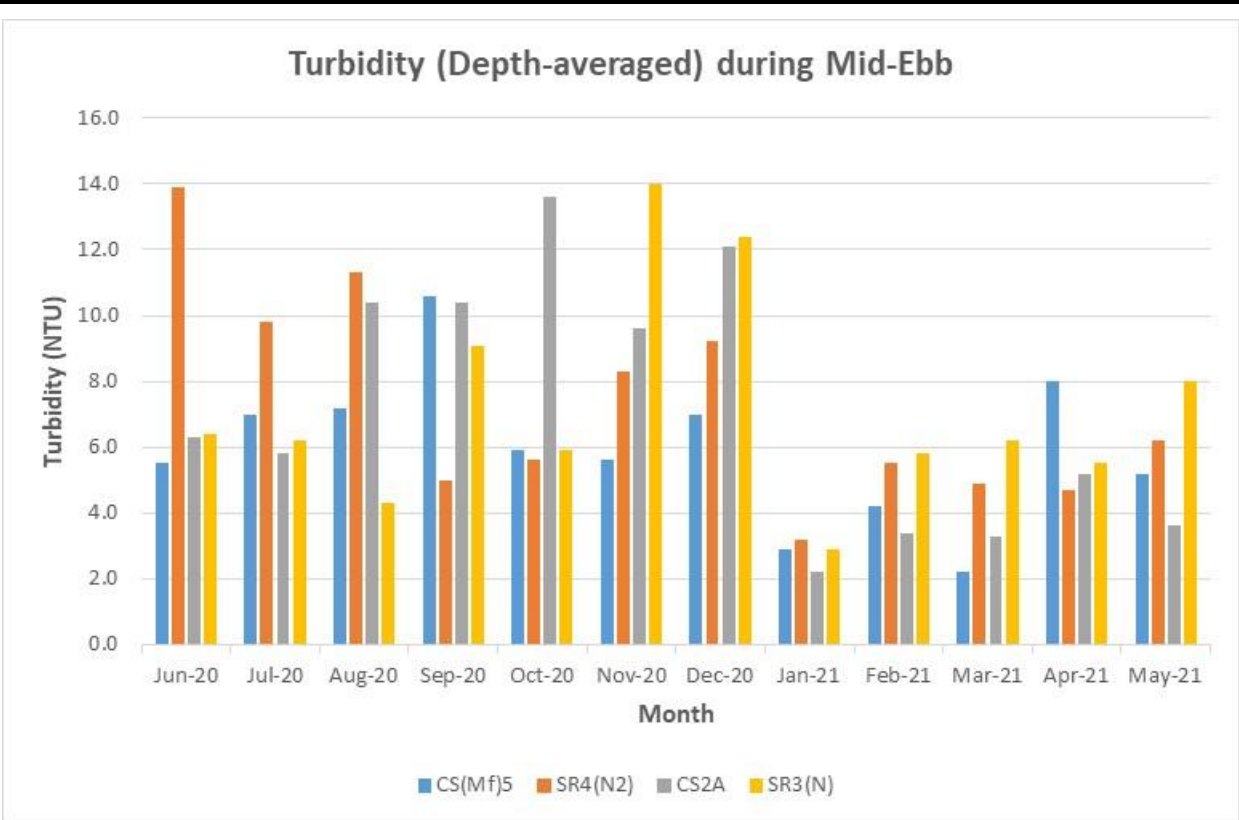


Figure G4 Operational Phase Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 June 2020 and 31 May 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_May 2021_graphs_Rev a.xls



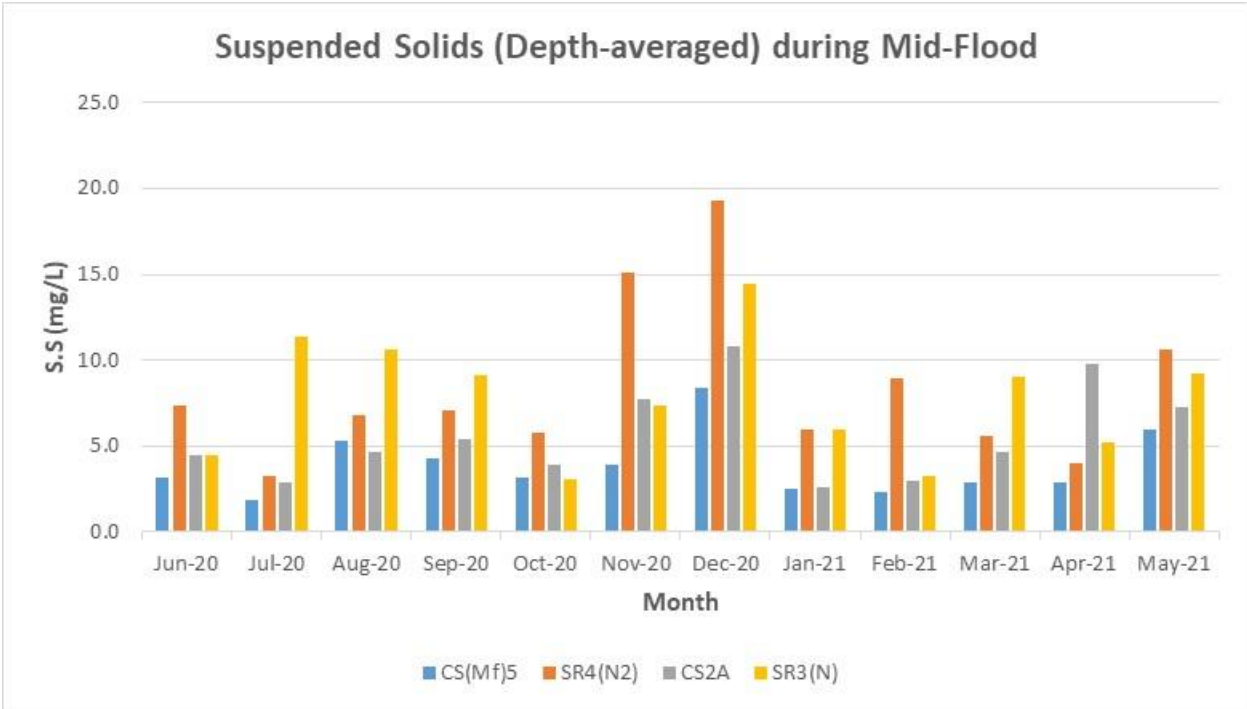
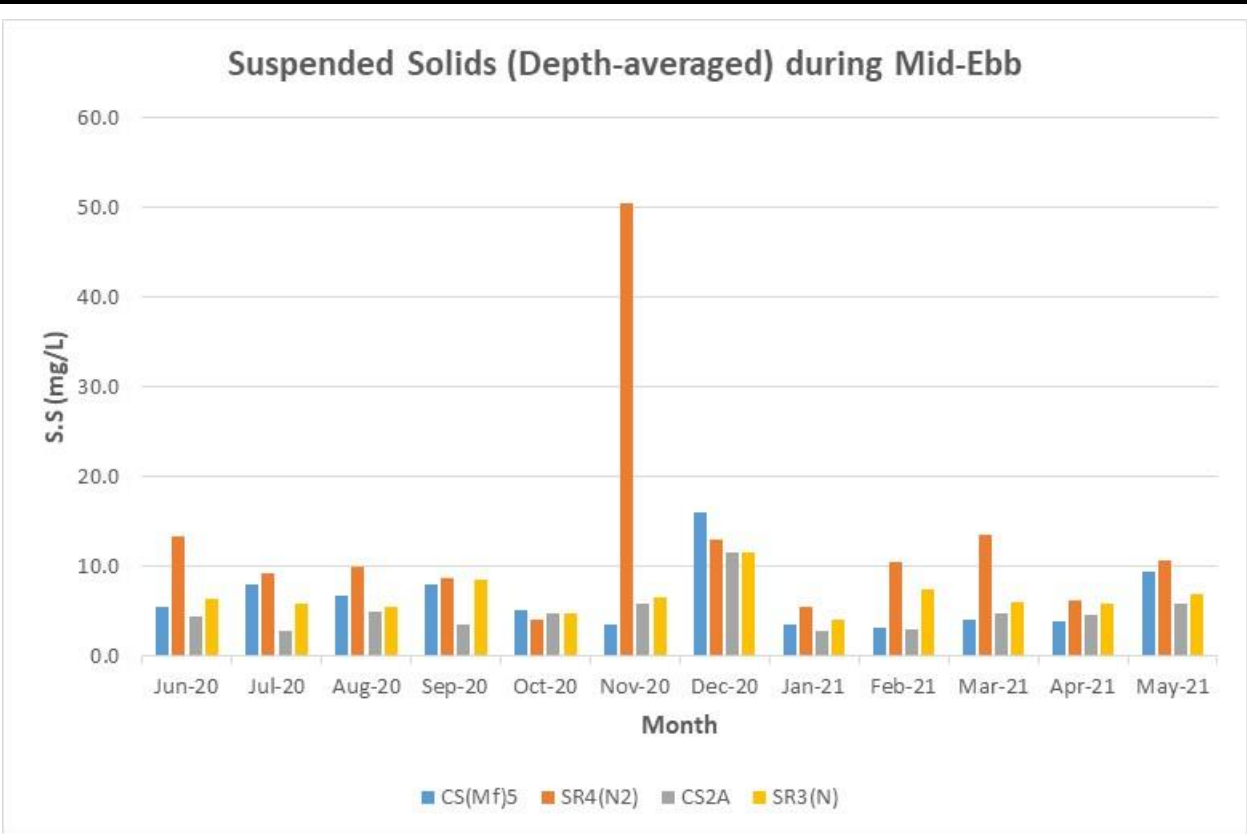


Figure G5 Operational Phase Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 June 2020 and 31 May 2021. The weather conditions during the monitoring period varied mostly from sunny to cloudy.

Ref: 0212330_Impact-WQM_May 2021_graphs_Rev a.xls



Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
2021-05-21	Mid-Ebb	CS(M)5	Fine	Calm	13:29	12.0	Surface	1.0	1	28.8	8.2	13.4	8.7	120.8	3.4	10.7	8.1	5.2	9.4		
									2	28.9	8.1	13.6	8.7	121.3	3.4	10.2					
							Middle	6.0	1	28.6	8.1	19.3	7.5	107.8	3.9	10.2					
									2	28.6	8.0	19.3	7.5	108.2	4.0	10.8					
							Bottom	11.0	1	26.3	8.1	30.1	5.4	79.7	8.4	6.9					
									2	26.3	8.1	30.1	5.4	79.3	8.1	7.5					
		SR4(N2)	Fine	Calm	14:48	4.0	Surface	1.0	1	29.0	8.2	15.2	8.3	117.8	6.0	11.0	8.4	6.2	10.6		
									2	29.0	8.1	15.2	8.4	118.2	5.9	11.1					
							Bottom	3.0	1	29.0	8.2	17.0	8.0	113.6	6.4	10.3					
									2	29.0	8.2	16.9	8.0	113.8	6.4	10.0					
							CS2A	5.8	1	29.2	8.1	12.4	7.9	110.3	3.2	7.2					
									2	29.2	8.1	12.4	8.0	110.9	3.2	7.2					
		SR3(N)	Fine	Calm	14:13	4.0	Surface	1.0	1	29.0	8.2	16.7	7.9	112.8	7.7	7.0	8.0	8.0	6.9		
									2	29.0	8.1	16.7	8.0	113.4	7.7	6.8					
							Bottom	3.0	1	28.8	8.1	18.9	7.2	102.9	8.4	7.0					
									2	28.8	8.1	18.9	7.2	103.2	8.3	6.7					
							CS(M)5	12.0	1	29.9	8.1	13.3	11.7	165.9	2.1	5.6					
									2	30.0	8.0	13.3	11.7	166.5	2.0	6.1					
		2021-05-21	Mid-Flood	CS(M)5	Fine	Calm	22:42	12.0	Middle	6.0	1	26.4	8.1	27.4	5.7	82.6	2.9	6.0	8.7	3.0	6.0
											2	26.5	8.1	27.3	5.7	83.0	2.8	5.3			
									Bottom	11.0	1	25.7	8.1	31.8	5.0	73.0	4.0	6.6			
											2	25.7	8.1	31.7	5.0	72.8	3.9	6.6			
									SR4(N2)	4.2	1	29.3	8.1	17.0	9.4	134.7	5.1	10.6			
											2	29.3	8.1	17.0	9.4	135.0	5.0	9.8			
SR4(N2)	Fine			Calm	21:31	4.2	Surface	1.0	1	29.9	8.0	17.2	8.2	119.0	7.0	11.5	9.4	6.1	10.6		
									2	29.7	8.0	17.3	8.2	119.2	7.1	10.4					
							Bottom	3.2	1	29.9	8.0	17.2	8.2	119.0	7.0	11.5					
									2	29.7	8.0	17.3	8.2	119.2	7.1	10.4					
							CS2A	5.8	1	29.5	8.1	16.0	9.0	129.5	4.8	5.2					
									2	29.5	8.1	16.0	9.1	130.2	4.7	5.2					
SR3(N)	Fine			Calm	21:59	4.0	Surface	1.0	1	29.5	8.1	16.3	8.3	119.3	5.8	8.9	9.1	5.3	7.3		
									2	29.5	8.1	16.3	8.3	119.3	5.8	8.9					
							Bottom	4.8	1	29.5	8.1	16.3	8.3	119.3	5.8	8.9					
									2	29.5	8.1	16.2	8.4	125.2	5.8	9.8					
							CS2A	5.8	1	29.5	8.1	16.0	9.0	129.5	4.8	5.2					
									2	29.5	8.1	16.0	9.1	130.2	4.7	5.2					
SR3(N)	Fine			Calm	21:59	4.0	Surface	1.0	1	29.8	8.0	15.1	10.1	145.2	7.7	7.3	10.2	8.0	9.2		
									2	29.8	8.1	15.1	10.2	145.7	7.6	8.4					
							Bottom	3.0	1	29.6	8.1	16.9	8.5	122.7	8.4	11.2					
									2	29.6	8.2	16.7	8.7	127.9	8.3	10.0					
							CS2A	5.8	1	29.5	8.1	16.0	9.0	129.5	4.8	5.2					
									2	29.5	8.1	16.0	9.1	130.2	4.7	5.2					